

FIG.1A

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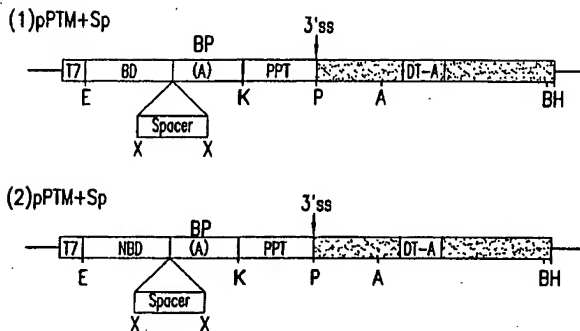


FIG.1B

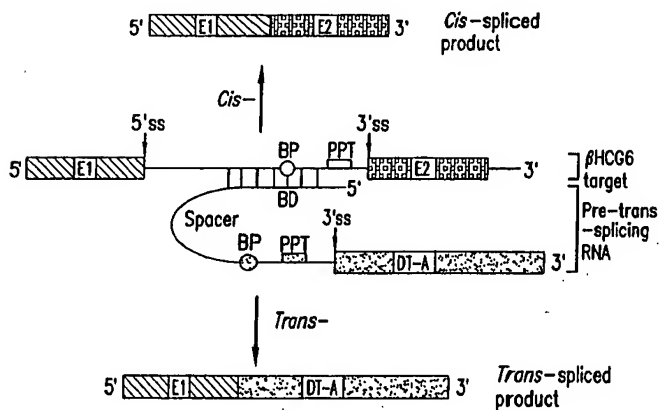


FIG.1C

10075023.071602

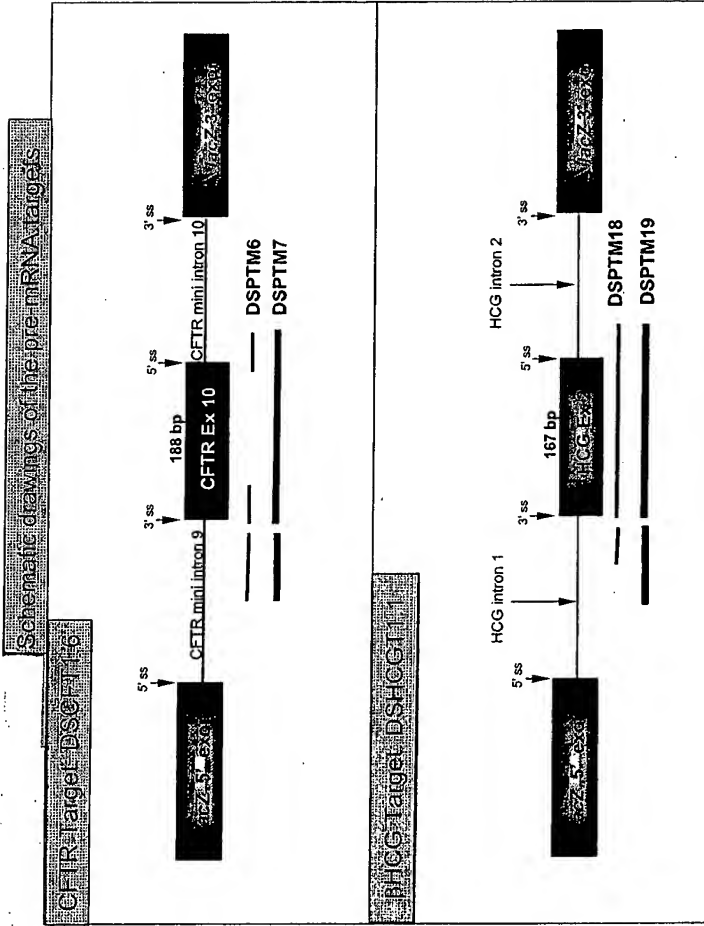


Figure 2

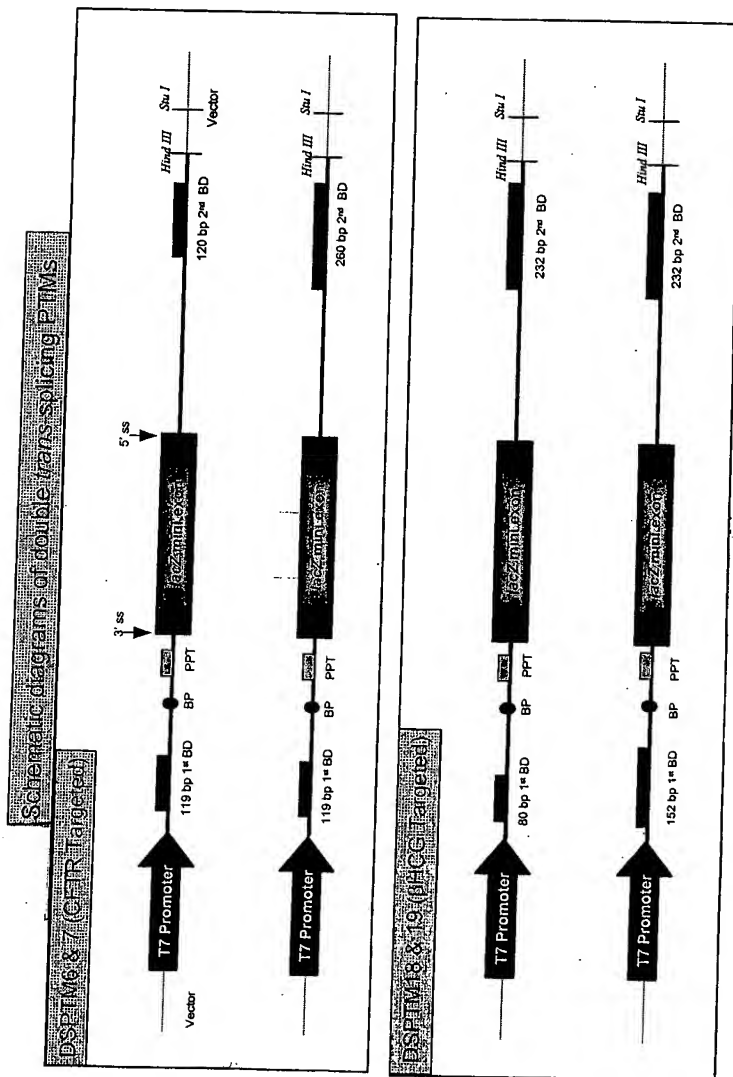


Figure 3

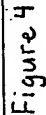
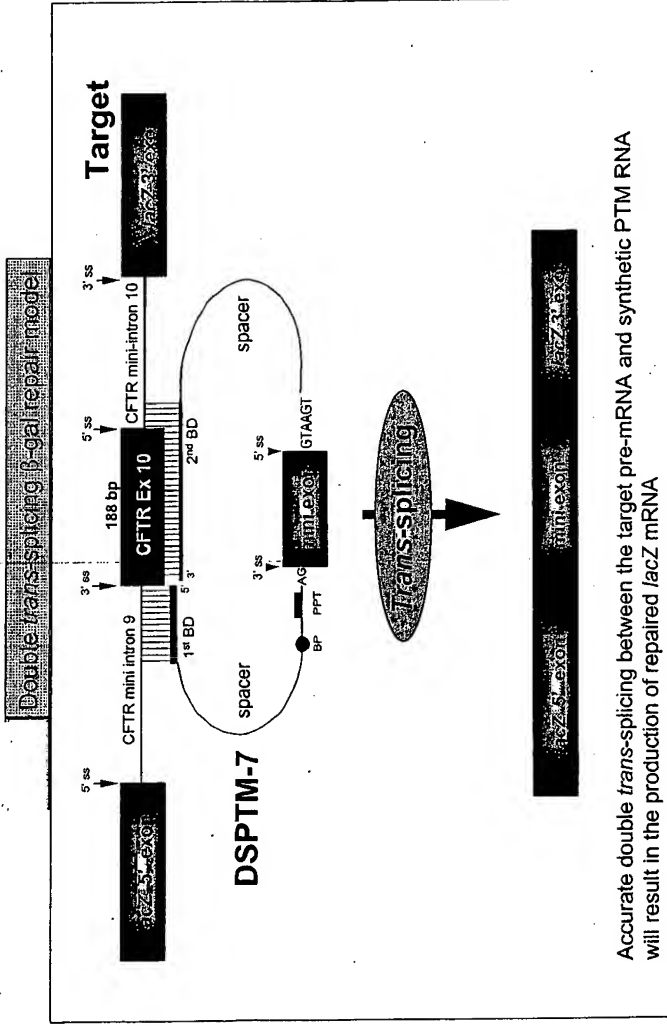


Figure 5



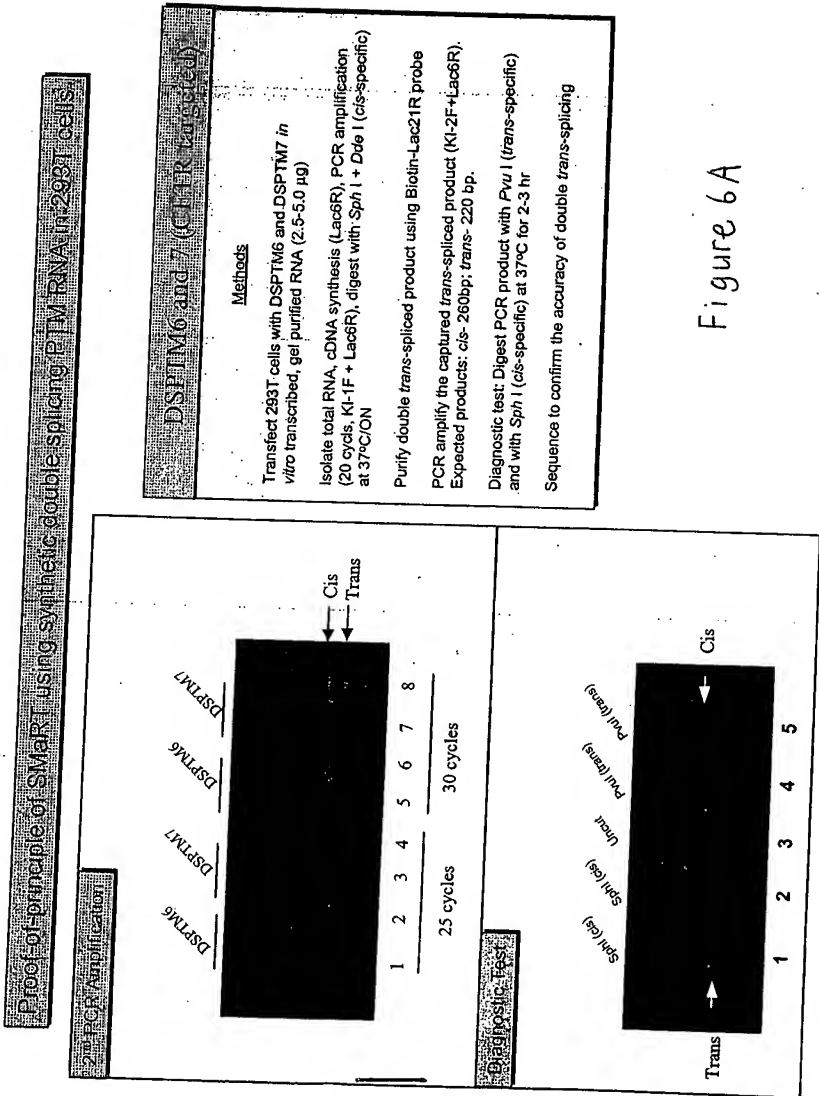


Figure 6A

Principle of SMAR using synthetic double-splicing P1M RNA in stable cells

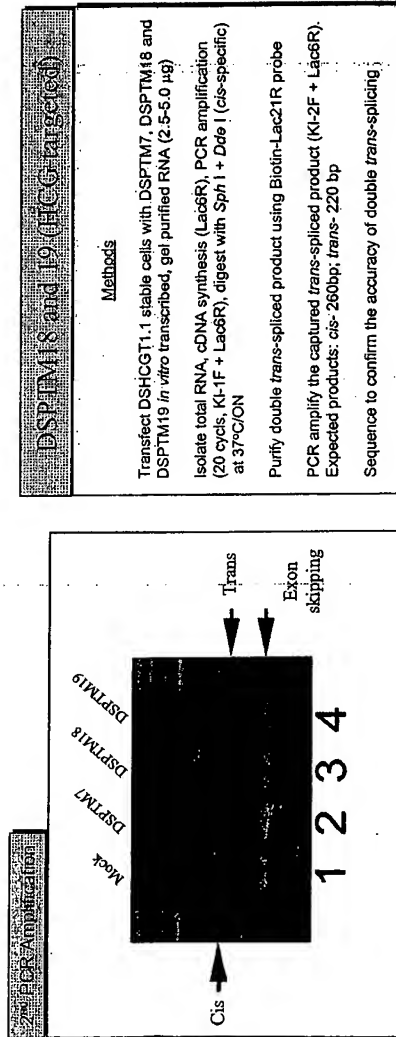
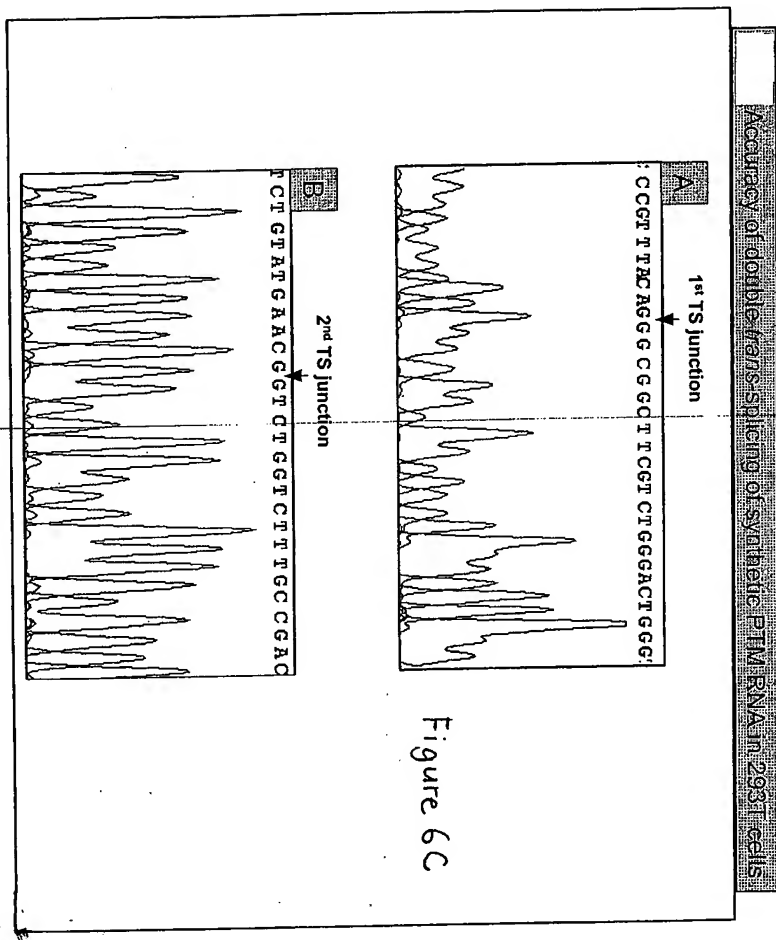


Figure 6B

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β -gal Activity (Units/mg of protein)

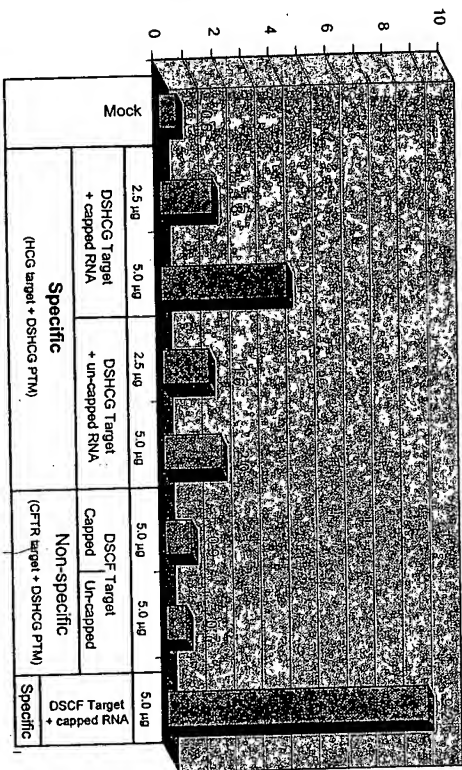


Figure 7

Restoration of β -gal function through RNA transfection in 293T cells
(Proof-of-concept for SMART RNA Therapeutics)
Synthetic RNA Double trans-splicing

Methods
Transfected 293T cells
Harvested cells after 48 hr
Prepared cell lysate for β -gal
Assay (from 293T cell lysate)